



U.S. Department  
of Transportation

**Research and  
Special Programs  
Administration**

400 Seventh Street, S.W.  
Washington, D.C. 20590

**DEC 24 2000**

DOT-E 8854  
(FOURTH REVISION)

EXPIRATION DATE: November 30, 2002

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Arbel-Fauvet-Rail (AFR), Paris, France  
(U.S. Agent: Mary Hoyt-Joyce  
Chevy Chase, Maryland)

(See Appendix A to this document for a list of additional grantees and expiration dates)

2. PURPOSE AND LIMITATION:

- a. This exemption authorizes the transportation in commerce of a Class 8 material in a non-DOT Specification IMO Type 5 portable tank. This exemption provides no relief from any Hazardous Materials Regulation (HMR) other than as specifically stated herein.
- b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.243 except as specified herein.

5. BASIS: This exemption is based on the application of Arbel-Fauvet-Rail dated September 18, 2000 submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Hydrogen fluoride, anhydrous	8	UN1052	I

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packagings are non-DOT specification portable tanks, mounted in ISO frames, designed and constructed in accordance with Fauvet-Girel drawings Co 167077, Co 167082, other drawings, technical specifications and calculations on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA), and in conformance with the following:

(1) Code--Complies with ASME Code (not Code stamped);  
IMO Type 5.

(2) Insulation--None

(3) Water Capacity (U.S. Gallons)--5,072

(4) Material--French steel standard NF A 36 205,  
designation A 52 FP, equivalent to ASTM A 537 Class 1  
carbon steel.

(5) Tank Size (outside dia.) X (length) X (thickness)  
Inches 84.65 228.3 50.398  
(after forming)

Head Thickness--0.398(after forming)

Weld Joint Efficiency--1.0

Corrosion Allowance--0.0

(6) Design Pressure (PSIG)--101.53

Note: Design pressure means "maximum allowable working  
pressure (MAWP)" as used in the ASME Code.

(7) Test Pressure, Minimum (PSIG)--152.30

(8) Openings--One (1), 20 inch diameter manhole  
containing one (1) liquid phase outlet, one (1) gas  
phase outlet and two (2) safety relief device pads on  
the top; no bottom outlets.

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(9) Tank surface area (square feet)--449

(10) Pressure Relief Devices--Two (2), 2.5 inch diameter spring loaded safety relief valves set at 101.53 psig outboard of and in series with two (2) 2.0 inch diameter rupture discs set at 111.68 psig. Total relief device capacity is 373,500 SCFH.

(11) G-Loadings: Vertical down 3; Vertical up 1; Longitudinal 2; and Transverse 1.

(12) Maximum Gross Weight (pounds)--52,910

(13) Maximum Commodity Weight (pounds)--40,785

(14) Tare Weight (pounds)--12,125

(15) Design Specific Gravity--0.96

(16) Design Temperature (°F)--149

b. TESTING -

1. Hydrostatic test certificates for each tank must be maintained by the owner or manufacturer at its principal business office and be made available to any representative of the DOT upon request.

2. A test report documenting a satisfactory ISO prototype frame test for this tank design must be on file with the OHMEA prior to the first shipment.

3. Each tank must be (i) visually inspected prior to each trip to insure that it has not been damaged on the previous trip; and (ii) be § 173.32b except the use of an approval agency is not required.

c. OPERATIONAL CONTROLS -

1. Each portable tank must be plainly marked on both sides near the middle, in letters at least two inches high on a contrasting background, "DOT-E 8854".

2. The tank must be filled so as not to be liquid full at less than or equal to 130°F.

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3. "DOT-E 8854" must replace the "DOT 51" specification marking and be stamped on the metal manufacturer's data plate on the line which reads "D.O.T Specification No.".
8. SPECIAL PROVISIONS:
  - a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.
  - b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, and cargo vessel.
10. MODAL REQUIREMENTS:
  - a. A current copy of this exemption must be carried aboard each cargo vessel used to transport packages covered by this exemption.
  - b. Portable tanks may not be transported in container-on-flat car (COFC) or trailer-on-flat car (TOFC) service except under conditions approved by the Associate Administrator for Safety, Federal Railroad Administration.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
  - o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

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No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS:

a. The shipping experience report must contain the approximate number of shipments made and any difficulties encountered.

b. The holder of this exemption, as identified in paragraph 1 above, must contact the OHMEA immediately after any of the tanks covered by this exemption are sold to another party.

c. The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incidents involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



*for* Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.  
Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

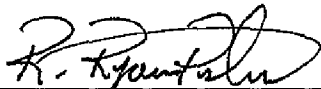
Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

PO: sln

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The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with §§ 107.107 or 107.109, as appropriate:

Company Name City/State	Applica- tion Date	Issue Date	Expiration Date
Compagnie Des Containers Reservoirs, Paris, France (U.S. Agent: ERMEWA, Inc. Houston, Texas	8/28/2000	DEC 21 2000	11/30/2002



for Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety